

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Bagnasco, et al

Examiner: TBA

Serial No: TBA

Group Art Unit: TBA

Filed: Herewith

For: Bragg Grating Optical Fiber

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.56, 1.97 – 1.98Commissioner of Patents  
Alexandria, VA 22313-1450

Dear Sir:

The Examiner's attention is hereby directed to the following reference(s) listed on the attached Form PTO-1449 for consideration in connection with the examination of the above-identified patent application. One copy of the reference(s) is enclosed.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the enclosed documents constitute "prior art." If it should be determined that any of the submitted documents do not constitute "prior art" under United States law, applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the enclosed references, should one or more of the references be applied against the claims of the present application.

Respectfully submitted,

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner of Patents, Alexandria, Va 22313-1450 on <u>9/18/03</u>	
Date of Deposit	
Svetlana Z. Short	
Name of applicant, assignee, or Registered Representative	
<i>Svetlana Z. Short</i>	
Signature	
<u>9/18/03</u>	
Date of Signature	

FORM PTO-1449 (MODIFIED)  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS INFORMATION DISCLOSURE STATEMENT	ATTORNEY DOCKET NO.	SERIAL NO.
	SP02-209	TBA
	APPLICANT Bagnasco, et al.	
	FILING DATE Herewith	GROUP: TBA

REFERENCE DESIGNATION				U.S. PATENT DOCUMENTS			
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date if Approp.
	AA	5,157,747	10/20/92	Aktins et al	385	37	
	AB	5,381,503	1/10/95	Kanamori et al.	385	123	
	AC	5,790,726	8/4/98	Ito et al.	385	37	
	AD	6,075,625	6/13/00	Ainslie et al.	359	3	
	AE	6,157,758	12/5/00	Abe et al.	385	37	
	AF	6,221,555	4/24/01	Murakami et al.	430	270.1	
	AG	6,229,945	5/8/01	Ainslie et al.	385	123	
	AH	6,314,221	11/6/01	Riant et al.	385	37	
	AI	6,321,007	11/20/01	Sanders	385	37	
	AJ	6,336,749	1/8/02	O'Toole et al.	385	96	
	AK	6,400,868	6/4/02	Riant et al.	385	37	

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes No
	AL	EP 0 585 533 B1	8/5/98	Europe	G02B	6/255	
	AM	WO 96/23739	8/8/96	PCT	C03B	37/027	
	AN	WO 00/19256	4/6/00	PCT	G02B	6/26	
	AO	WO 01/22136	3/29/01	PCT	G02B	6/16	

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
AP	Starodubov et al., "Bragg grating fabrication in germanosilicate fibers by use of near-UV light: a new pathway for refractive index changes", Optics Letters, Vol. 22, No. 14, July 15, 1997, pg. 1086-1088	
AQ	Grubsky, et al., "Photochemical reaction of hydrogen with germanosilicate glass initiated by 3.4-5.4-eV ultraviolet light", Optics Letters, Vol. 24, No. 11, June 1, 1999, pg. 729-731	
AR	Dianov et al., "Refractive-index gratings written by near-ultraviolet radiation", Optics Letters, Vol. 22, No. 4, February 15, 1997 pg. 221-223	
AS	Williams et al., "Photosensitive index changes in germania doped silica glass fibers and waveguides" BT Labs	
AT	Riant et al., "Influence of fiber drawing tension on photosensitivity in hydrogenated and nonhydrogenated fibers", OFC 1998 Technical Digest Tuesday Morning, pg. 1-2	
AU	Lemaire et al., "High Pressure H <sub>2</sub> loading as a technique for achieving ultrahigh UV photosensitivity and thermal sensitivity in GeO <sub>2</sub> doped optical fibres", Electronics Letters, Vol. 29, No. 13, June 24, 1993, pg. 1191-1193	

Information Disclosure Statement-PTO-1449 (Modified)

AV	Williams et al., "Enhanced UV Photosensitivity in boron codoped germanosilicate fibres", Electronics Letters, Vol. 29, No. 1, January 7, 1993, pg. 45-47
AW	Poignant et al., "Effect of some refractive index modifiers on both numerical aperture and mechanical strength of fluorozirconate fibres", Journal of Non-Crystalline Solids, 161 (1993) 192-197
AX	Fokine "Thermal stability of chemical composition gratings in fluorine-germanium-doped silica fibers", Optics Letters, Vol. 27, No. 12, June 15, 2002, pg. 1016-1018
AY	Fonjallaz et al., "Tension increase correlated to refractive-index change in fibers containing UV-written Bragg gratings", Optics Letters, Vol. 20, No. 11, June 1, 1995, pg. 1346-1348
AZ	Williams et al., "Accelerated lifetime tests on UV written intra-core gratings in boron germania codoped silica fibre", Electronics Letters, Vol. 31, No. 24, November 23, 1995, pg. 2120-2121

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.